

Title (en)
PHARMACOLOGICAL ADJUVANTS FOR THERMAL ABLATION OF CANCER

Title (de)
PHARMAKOLOGISCHE ADJUVANZIEN ZUR THERMISCHEN ABLATION VON KREBS

Title (fr)
ADJUVANTS PHARMACOLOGIQUES POUR ABLATION THERMIQUE D'UN CANCER

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Abstract (en)
The present invention relates to the use of proton pump inhibitors in thermal ablation of cancer, and in particular to the use of proton pump inhibitors encapsulated in liposomes. Furthermore, the invention relates to proton pump inhibitors in acid solution, encapsulated in liposomes coated with polyethylene glycol or polysaccharides like dextran, and to pharmaceutical formulations containing them.

IPC 8 full level
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Citation (applicant)
• US 5013556 A 19910507 - WOODLE MARTIN C [US], et al
• AHMED M, CHERN PHYS LIPIDS, vol. 165, 2012, pages 424 - 37
• CHU KF, NAT REV CANCER, vol. 14, 2014, pages 199 - 208
• PAIN D, J. BIOSCI, vol. 6, 1984, pages 811 - 6
• NING S, SOFT MATTER, vol. 7, 2011, pages 9394 - 401
• KONING GA, PHARM RES, vol. 27, 2010, pages 1750 - 4
• LANDON CD, OPEN NANOMED J, vol. 3, 2011, pages 38 - 64
• MANZOOR AA, CANCER RES, vol. 72, 2012, pages 5566 - 75
• KNEIDL B, INT J NANOMEDICINE, vol. 9, 2014, pages 4387 - 98
• LENCIIONI R, PRESENTATION AT THE EUROPEAN CONFERENCE ON INTERVENTIONAL ONCOLOGY (ECIO), BUDAPEST (HUNGARY, 19 June 2013 (2013-06-19))
• POON RT, PRESENTATION AT THE WORLD CONFERENCE ON INTERVENTIONAL ONCOLOGY, 16 May 2013 (2013-05-16)
• FINN RS, PRESENTATION AT THE 8TH INTERNATIONAL LIVER CANCER ASSOCIATION (ILCA) ANNUAL CONFERENCE, KYOTO (JAPAN, 5 September 2014 (2014-09-05))
• BARONZIO GF: "Hyperthermia in cancer treatment: a primer", 2006, LANDES-SPRINGER PUBLISHERS, pages: 67 - 91
• SONG CW: "Cancer drug resistance", 2006, HUMANA PRESS, pages: 21 - 42
• JONES EL: "Principles and practice of radiation oncology", 2008, LIPPINCOTT WILLIAMS & WILKINS, pages: 637 - 68
• VIGLIANTI BL; HOLLAND-FREI ET AL.: "cancer medicine", 2010, PEOPLE'S MEDICAL PUBLISHING HOUSE-USA, pages: 528 - 40
• HELANDER HF, SCAND J GASTROENTEROL, vol. 20, no. 108, 1985, pages 95 - 104
• OLBE L, NAT REV DRUG DISCOV, vol. 2, 2003, pages 132 - 9
• DE MILITO A, CURR PHARM DES, vol. 18, 2012, pages 1395 - 406
• SPUGNINI EP, J EXP CLIN CANCER RES, vol. 29, 2010, pages 44
• FAIS S, J INTERN MED, vol. 267, 2010, pages 515 - 25
• PARKS SK, NAT REV CANCER, vol. 13, 2013, pages 611 - 23
• FAIS S, CANCER METASTASIS REV, vol. 33, 2014, pages 1095 - 108
• MATUSZCAK C, CAN CELL MICROENVIRON, vol. 2, 2015, pages e667
• WALSH M, J EXP CLIN CANCER RES, vol. 34, 2015, pages 93
• WANG BY, J EXP CLIN CANCER RES, vol. 34, 2015, pages 85

Citation (search report)
• [XP] WO 2017048860 A1 20170323 - VGSK TECH INC [US]
• [I] WO 2005077365 A2 20050825 - INST SUPERIORE DI SANITA [IT], et al
• [I] EP 2548555 A1 20130123 - FOND IRCCS ISTITUTO NAZ DEI TUMORI [IT], et al
• [I] US 2009227633 A1 20090910 - DAMAJ BASSAM [US]
• [I] CN 103127003 B 20140507 - GUANGDONG PIDI PHARMACEUTICAL CO LTD
• [I] CN 104546718 A 20150429 - JIANGSU AOSAIKANG PHARM CO LTD
• [X] OVERHOLT B F ET AL: "Photodynamic therapy for Barrett's esophagus: follow-up in 100 patients", GASTROINTESTINAL ENDOSCOPY, ELSEVIER, NL, vol. 49, no. 1, 1 January 1999 (1999-01-01), pages 1 - 7, XP027500214, ISSN: 0016-5107, [retrieved on 19990101], DOI: 10.1016/S0016-5107(99)70437-2
• [X] BOAS F EDWARD ET AL: "Adjuvant Medications That Improve Survival after Locoregional Therapy", JOURNAL OF VASCULAR AND INTERVENTIONAL RADIOLOGY, vol. 28, no. 7, 1999, pages 971, XP085094602, ISSN: 1051-0443, DOI: 10.1016/J.JVIR.2017.04.016
• [X] TACKER J R ET AL: "DELIVERY OF ANTI TUMOR DRUG TO BLADDER CANCER BY USE OF PHASE TRANSITION LIPOSOMES AND HYPER THERMIA", JOURNAL OF UROLOGY, vol. 127, no. 6, 1982, pages 1211 - 1214, XP002769669, ISSN: 0022-5347

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